

80900 to 80997
81900 to 81997

Illustrated Parts List

MODEL SERIES

80900 to 80997

TYPE NUMBERS

0010 to 0041

0110 to 0293

945000 to 945363

81900 to 81997

TYPE NUMBERS

0110 to 0153

945500 to 945831

TO FIND

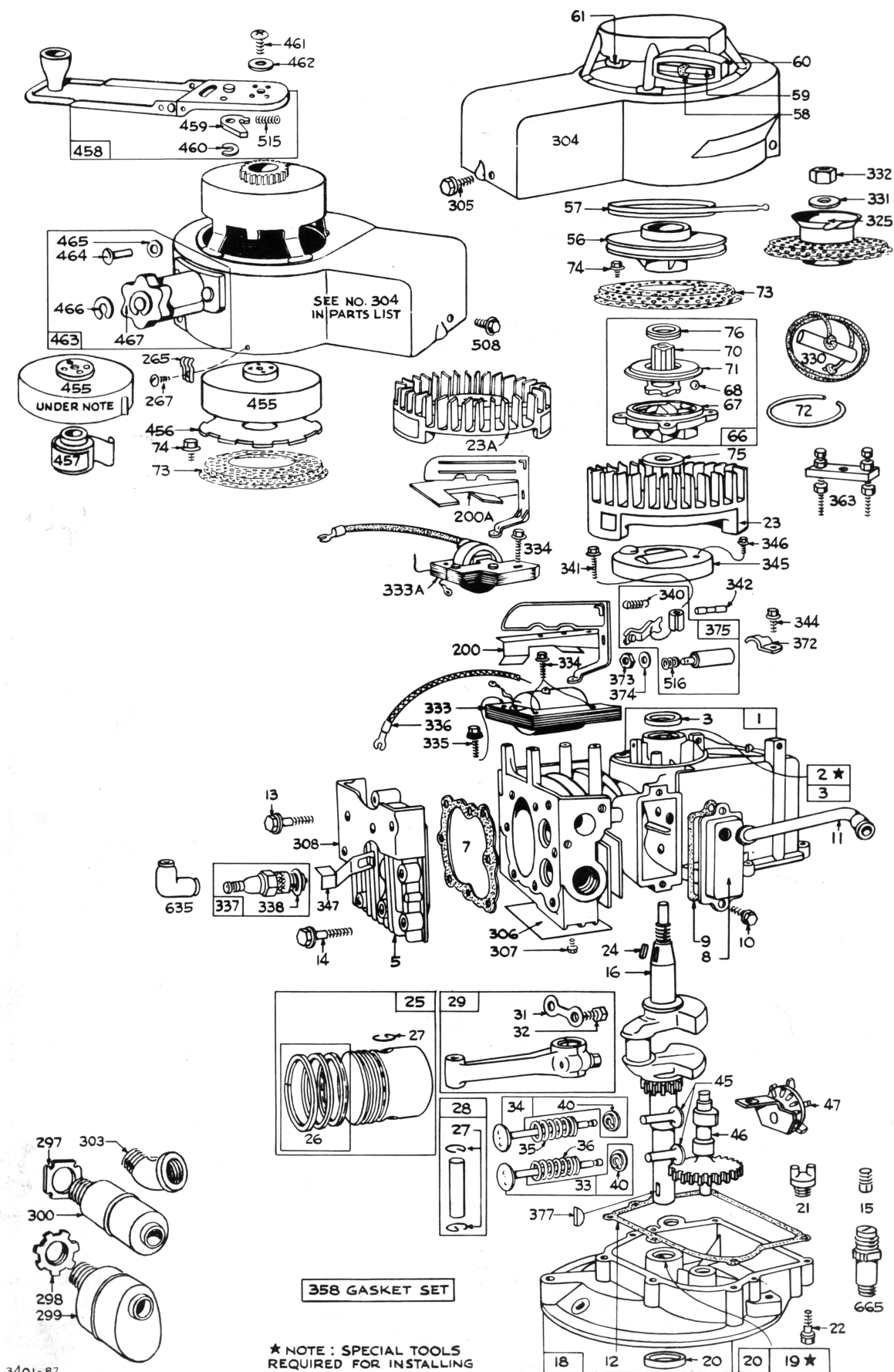
**THE CORRECT NUMBER OF THE PART YOU NEED:
FOLLOW THE INSTRUCTIONS BELOW.**

- A. Refer to Engine Model, Type and Serial Number that is stamped on the blower housing or name plate of engine. (Engine type numbers such as 954830 are listed complete. Engine type numbers such as 0147 01 are listed herein only as 0147. The two digits (01 or 02, etc.) to the right of the space are not needed for parts identification). Then use the Illustrated Parts List covering these Model Series.
- B. Refer to Illustrated Parts section and compare the old part with illustration. The number on the illustration is the Reference Number. Assemblies include all parts shown in frames. All parts shown in assembly frames on which individual reference numbers are given can be purchased separately.
- C. After the Reference Number has been identified, refer to the Numerical Parts List, where Reference and Master Part Numbers are listed. THE MASTER PART IS USED ON ALL TYPE NUMBERS EXCEPT THOSE TYPE NUMBERS UNDER "NOTE".
- D. If a "Note" appears below the Master Part Number, this means that this part differs from the Master Part for certain types. If the Type Number is listed under "Note", order the part referred to.
- E. If the Engine Type Number does not appear after any part number listed under "Note", use the Master Part Number.
- F. For Type Numbers higher than those covered by this book, please refer to the factory if you are unable to identify the part by comparison.

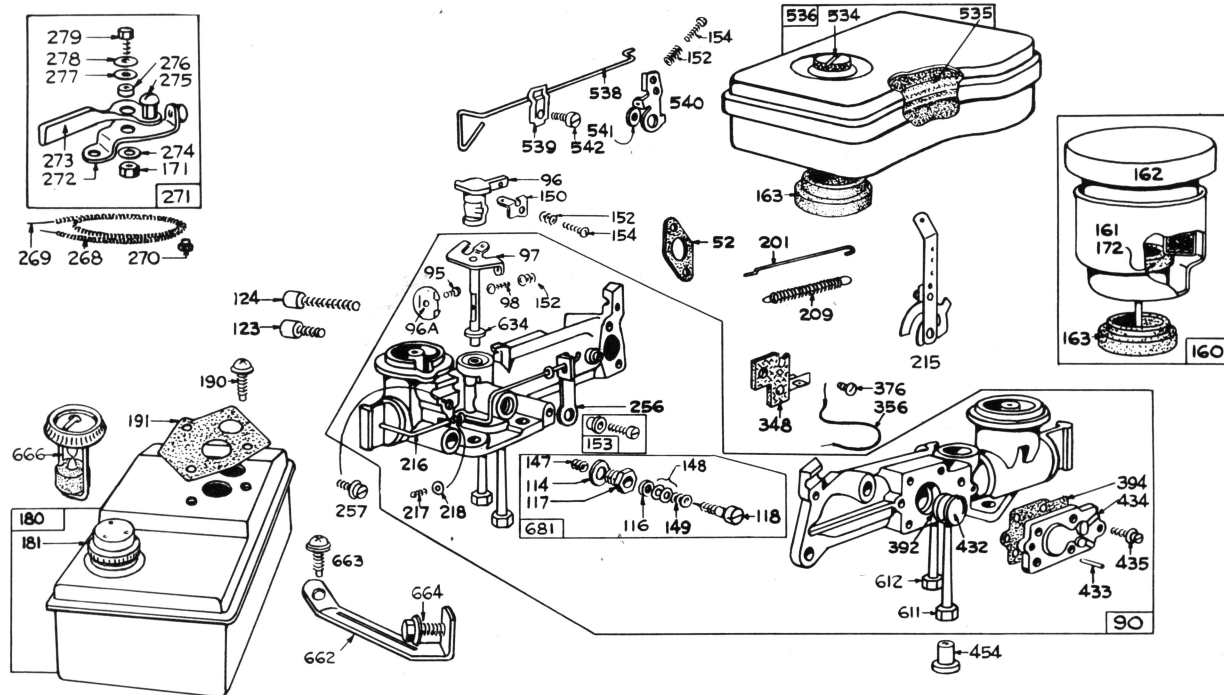
PRINTED IN U.S.A. AT B.T.S.



80900 to 80997
81900 to 81997



Assemblies include all parts shown in frames.



Assemblies include all parts shown in frames.

PARTS LIST – For Model 80900 & 81900 Series

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	295450	Cylinder Assembly Used on Model 80900, 80990 Series engines.		*27617	Gasket — Crankcase — .005" thick		945100, 945110, 945143, 945175, 945215, 945216,	
	296802	Cylinder Assembly Used on Model 81900, 81990 Series engines.		*27618	Gasket — Crankcase — .009" thick		945217, 945219, 945251, 945258, 945264, 945271,	
2	293708	Bushing — Cylinder	13	93111	Screw — Cylinder Head (1-15/16" long)		945295, 945296, 945298, 945299, 945301, 945302,	
	Note:	Requires special tools for installation.	14	93113	Screw — Cylinder Head (2-5/16" long)		945305, 945307, 945314, 945339, 945341, 945359;	
3	89660	Seal — Oil	15	91084	Plug — Oil Drain		also used on Model	
5	210812	Head — Cylinder		Note:	93418 Plug — Oil Drain (Socket Head)		81900 Series type Nos. 0133, 0134, 945533,	
7	*27670	Gasket — Cylinder Head			Used on Model 80900		945534, 945538, 945539,	
8	296189	Breather — Valve Chamber			Series type Nos. 0019, 0134, 0147, 0165, 0166, 0168, 0176, 0184, 0190, 0202, 0214, 0217, 0220, 0223, 0229, 0230, 0232, 0245, 0251, 0257, 0258, 0266, 0275, 0276, 945032, 945061, 945094,		945540, 945542, 945586, 945587, 945613, 945615, 945616, 945649, 945650, 945667, 945668, 945670, 945691, 945705, 945706, 945707, 945725, 945726, 945772, 945780, 945781, 945788, 945789, 945799,	
9	*27549	Gasket — Valve Cover						
10	93394	Screw — Breather Mounting Sem						
11	67298	Tube — Breather						
12	*27586	Gasket — Crankcase — .015" thick (Standard)						
* Included in Gasket Set — Part No. 297275.								

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
16	260124	945801, 945805, 945806, 945815, 945818, 945820. Crankshaft Note: 260091 Crankshaft Used on Model 80900 Series type Nos. 0110, 945010, 945828. 260092 Crankshaft Used on Model 81900 Series type No. 0111. 260094 Crankshaft Used on Model 80900 Series type Nos. 0162, 0255. 260096 Crankshaft Used on Model 80900 Series type Nos. 0017, 0018, 0031, 0143, 0144, 0145, 0154, 0170, 0171, 0179, 0183, 0196, 0199, 0200, 0203, 0209, 0219, 0221, 0236, 0239, 0240, 0243, 0247, 0259, 0260, 0262, 0267, 0270, 0271, 0279, 0281, 0282, 0283, 0284, 0290, 945039, 945050, 945054, 945055, 945057, 945058, 945071, 945072, 945073, 945074, 945091, 945098, 945099, 945106, 945107, 945109, 945122, 945123, 945127, 945128, 945131, 945132, 945133, 945137, 945145, 945156, 945160, 945162, 945171, 945179, 945188, 945192, 945194, 945197, 945220, 945231, 945236, 945237, 945247, 945248, 945263, 945265, 945279, 945286, 945287, 945288, 945289, 945297, 945309, 945313, 945317, 945318, 945321, 945322, 945324, 945325, 945332, 945334, 945337, 945338, 945342; also used on Model 81900 Series type Nos. 0142, 0143, 945545, 945564, 945565, 945566, 945567, 945574, 945576, 945595, 945596, 945606, 945611, 945612,	945617, 945622, 945634, 945640, 945647, 945648, 945652, 945653, 945658, 945659, 945660, 945666, 945672, 945673, 945680, 945685, 945686, 945693, 945694, 945702, 945708, 945724, 945731, 945732, 945733, 945736, 945748, 945753, 945760, 945770, 945771, 945785, 945786, 945790, 945792, 945807. 260097 Crankshaft Used on Model 80900 Series type Nos. 0138, 0139, 0186, 0210, 0211, 0230, 0235, 0265, 945118, 945134, 945210, 945219, 945273, 945274, 945326, 945345, 945360; also used on Model 81900 Series type Nos. 0146, 945582, 945585, 945588, 945592, 945608, 945614, 945643, 945649, 945678, 945712, 945715, 945725, 945726, 945729, 945757, 945809. 260098 Crankshaft Used on Model 80900 Series type Nos. 0019, 0161, 0165, 0174, 0175, 0176, 0177, 0216, 0217, 0222, 0234, 0258, 0268, 0278, 0291, 945100, 945104, 945105, 945111, 945112, 945115, 945143, 945144, 945152, 945180, 945182, 945229, 945230, 945246, 945264, 945271, 945333, 945348; also used on Model 81900 Series type Nos. 0133, 0140, 945535, 945537, 945573, 945579, 945586, 945587, 945598, 945599, 945651, 945667, 945695, 945742, 945746, 945747, 945750, 945751, 945772, 945784, 945797, 945801, 945805, 945806, 945824. 260099 Crankshaft Uses: 220708 Shim – Crkshft., Thrust	Used on Model 80900 Series type Nos. 0040, 0131, 0132, 0140, 0189, 0191, 0241, 0250, 0252, 0272, 0274, 0286, 945025, 945029, 945030, 945031, 945035, 945041, 945046, 945048, 945049, 945064, 945067, 945081, 945083, 945084, 945092, 945096, 945146, 945147, 945149, 945178, 945191, 945200, 945206, 945208, 945209, 945225, 945228, 945241, 945262, 945281, 945290, 945323, 945328, 945329, 945350, 945352, 945353; also used on Model 81900 Series type Nos. 0144, 945526, 945528, 945530, 945532, 945546, 945549, 945550, 945551, 945561, 945570, 945584, 945601, 945620, 945624, 945636, 945639, 945676, 945677, 945703, 945704, 945728, 945730, 945749, 945763, 945765, 945766, 945782. 260133 Crankshaft Used on Model 80900 Series type Nos. 945085, 945086, 945090, 945177; also used on Model 81900 Series type No. 945779. 260197 Crankshaft Used on Model 81900 Series type No. 945563. 260224 Crankshaft Uses: 220708 Shim – Crkshft., Thrust Used on Model 80900 Series type Nos. 0142, 0156, 0180, 0181, 0187, 0195, 0207, 0215, 0218, 0231, 0253, 0257, 945036, 945051, 945053, 945065, 945120, 945121, 945129, 945130, 945157, 945158, 945185, 945196, 945199, 945203, 945211, 945212, 945221, 945226, 945232, 945233,				

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REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
	945267, 945268, 945319, 945343; also used on Model 81900 Series type Nos. 0151, 945536, 945594, 945597, 945604, 945623, 945635, 945641, 945661, 945662, 945664, 945684, 945687, 945688, 945716, 945717, 945718, 945719, 945739, 945740, 945793, 945794, 945796, 945803, 945825. 260235 Crankshaft Used on Model 80900 Series type Nos. 0184, 0232, 0251, 0264, 0275, 945175; also used on Model 81900 Series type Nos. 945602, 945603, 945644, 945645, 945683, 945781. 260319 Crankshaft Used on Model 80900 Series type Nos. 0148, 0227, 945255. 260370 Crankshaft Used on Model 80900 Series type Nos. 0022, 0201, 945176; also used on Model 81900 Series type Nos. 0134, 945720 945800, 945820. 260390 Crankshaft Used on type Nos. 945615, 945616. 260400 Crankshaft Used on Model 80900 Series type Nos. 0033, 945238; also used on Model 81900 Series type Nos. 945578, 945682. 260451 Crankshaft Used on type No. 945654. 260502 Crankshaft Used on type Nos. 945571, 945572, 945628, 945696, 945697, 945698. 260535 Crankshaft Used on Model 80900 Series type No. 945161; also used on Model 81900 Series type No. 945679.	260601 Crankshaft Used on Model 80900 Series type Nos. 0212, 0213, 945173, 945195, 945223, 945245, 945292, 945330; also used on Model 81900 Series type Nos. 945707, 945743, 945744. 260670 Crankshaft Used on Model 80900 Series type Nos. 0021, 0032, 0149, 0150, 0151, 0152, 0153, 945138, 945139, 945148, 945202, 945252, 945253, 945256, 945257, 945275, 945280, 945300; also used on Model 81900 Series type Nos. 945692, 945821. 260686 Crankshaft Used on type Nos. 945151, 945207. 18 293512 Sump — Oil Note: 294231 Sump — Oil Used on Model 80990 to 80997 and 81990 to 81997 Series with 3/4" dia. auxiliary P. T. O. shaft --- to replace sump on these Model Series with a 1/2" dia. auxiliary P. T. O. shaft order No. 298280 . 295032 Sump — Oil Used on type Nos. 945267, 945268, 945707, 945794, 945796. 295041 Sump — Oil Used on Model 80900 Series type Nos. 0019, 0141, 0162, 0163, 0176, 0190, 0198, 0206, 0268, 945061, 945076, 945077, 945100, 945124, 945125, 945152, 945168, 945183, 945264, 945266, 945269, 945270; also used on Model 81900 Series type Nos. 945579, 945586, 945587, 945598, 945599, 945650, 945695, 946698, 945705, 945706, 945742, 945772, 945791, 945795,	945801, 945806. 298359 Sump — Oil Used on Model 80900 Series type No. 0142. 19 293709 Bushing — Oil Sump Note: Requires special tools for installation. 20 291841 Seal — Oil Note: 294167 Seal — Oil (Crankshaft — P. T. O. Side) 294160 Seal — Oil (For 3/4" dia. Auxiliary Drive Shaft) Used on Model 80900 to 80997 and 81990 to 81997 Series. 298041 Seal — Oil (For 1/2" dia. Auxiliary Drive Shaft) Used on Model 80990 to 80997 and 81990 to 81997 Series. 21 66768 Plug — Oil Filler 22 93032 Screw — Sump Mtg. Sem 23 293205 Flywheel — Magneto (Used before Serial No. 6212310) - Note: 295936 Flywheel — Magneto Used before Serial No. 6212310 on type Nos. 945068, 945081, 945091, 945094, 945100, 945101, 945104, 945105, 945116, 945118, 945120, 945124, 945134, 945143, 945152, 945161, 945163, 945172, 945178, 945186, 945187, 945219, 945227, 945230, 945235, 945240, 945255, 945537, 945579, 945585, 945586, 945587, 945598, 945599, 945608, 945614, 945641, 945643, 945649, 945651, 945661, 945667, 945678, 945679, 945681, 945695, 945699, 945701, 945712, 945713, 945714, 945715, 945716, 945717, 945718, 945719, 945725, 945726, 945737, 945742, 945750, 945751, 945752, 945753, 945766, 945772,		

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81900 to 81997

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
		945773, 945778, 945781, 945783, 945789, 945791, 945793, 945794, 945795, 945796, 945797, 945801, 945805, 945806, 945815.						
23A	297949	Flywheel — Magneto (Used on and after Serial No. 6212310)						
	Note:	296884 Flywheel — Magneto Used on and after Serial No. 6212310 on Model 80900 Series type Nos. 0019, 0020, 0133, 0134, 0137, 0138, 0139, 0141, 0142, 0144, 0148, 0162, 0163, 0164, 0165, 0176, 0177, 0186, 0187, 0188, 0196, 0198, 0217, 0220, 0221, 0222, 0225, 0230, 0234, 0245, 0249, 0252, 0255, 0256, 0257, 0258, 0263, 0264, 0268, 0269, 0273, 945081, 945187, 945244, 945255, 945264, 945266, 945267, 945268, 945269, 945270, 945271, 945273, 945274, 945287, 945288, 945307, 945310, 945328, 945329, 945335, 945336, 945339, 945341, 945359, 945360, 945362; also used on Model 81900 Series type Nos. 0133, 0137, 0138, 0150, 945651, 945822, 945823.		295589	Piston Assembly — .020'' O. S. Used on Model 80900, 80990 Series.		210495	Ring, Piston, Comp., Center, .030'' O. S.
	Note:	295455 Piston Assy. — Standard Used on Model 81900, 81990 Series.		Note:	295457 Piston Assy. — .020'' O. S. Used on Model 81900, 81990 Series.			210497 Ring, Piston, Oil, .030'' O. S.
295588		Piston Assembly — .010'' O. S. Used on Model 80900, 80990 Series.		295590	Piston Assembly — .030'' O. S. Used on Model 80900, 80990 Series.	295657		MODEL 81900, 81990 SERIES RING SETS: Ring Set — Standard Piston Consists of:
	Note:	295456 Piston Assy. — .010'' O. S. Used on Model 81900, 81990 Series.		Note:	295458 Piston Assy. — .030'' O. S. Used on Model 81900, 81990 Series.			210796 Ring, Piston, Comp., Top, Standard
								210797 Ring, Piston, Comp., Center, Standard
								295661 Ring, Oil (w/expander) Standard
						295658		Ring Set — .010'' O. S. Piston Consists of:
								210799 Ring, Piston, Comp., Top, .010'' O. S.
								210798 Ring, Piston, Comp., Center, .010'' O. S.
								295662 Ring, Oil (w/expander) .010'' O. S.
						295659		Ring Set — .020'' O. S. Piston Consists of:
								210801 Ring, Piston, Comp., Top, .020'' O. S.
								210800 Ring, Piston, Comp., Center, .020'' O. S.
								295663 Ring, Oil (w/expander) .020'' O. S.
						295660		Ring Set — .030'' O. S. Piston Consists of:
								210802 Ring, Piston, Comp., Center, .030'' O. S.
								210803 Ring, Piston, Comp., Top, .030'' O. S.
								295664 Ring, Oil (w/expander) .030'' O. S.
24	61760	Key — Flywheel				27	26026	Lock — Piston Pin
25	295587	Piston Assembly — Standard Used on Model 80900, 80990 Series.				28	291925	Pin Assembly — Piston — Standard
	Note:	295455 Piston Assy. — Standard Used on Model 81900, 81990 Series.					291926	Pin Assembly — Piston — .005'' O. S.
						29	294201	Rod Assembly — Connecting

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
31	220756	Lock — Connecting Rod Screw	61	66528	Bumper — Starter Pulley			Used on type Nos. 945615, 945616.
32	92296	Screw — Connecting Rod	66	298310	Clutch Assembly — Rewind and Wind-up Starter	74	93042	Screw — Rotating Screen Mounting Sem
33	296676	Valve — Exhaust			Used after Serial No. 6405220.	75	220865	Washer — Spring (Used to lock rewind starter clutch)
34	296677	Valve — Intake	Note:	296468	Clutch Assy. — Rewind and Wind-up Starter	Note:	62577	Washer Used on type Nos. 945615, 945616.
35	260552	Spring — Intake Valve			Used before Serial No. 6405250.	76	66738	Washer — Ratchet Sealing (Used only with 7 point shank ratchet)
36	26478	Spring — Exhaust Valve	67	211383	Housing — Starter Clutch	90	296242	Carburetor Assembly (Choke-A-Matic)
40	93312	Retainer — Valve Spring			Used after Serial No. 6405220.	Note:	296262	Carburetor Assy. (Manual Choke)
45	230173	Tappet — Valve	Note:	210400	Housing — Starter Clutch			Used on Model 80900 Series type Nos. 0110, 0162, 0163, 0165, 0176, 0236, 0255, 0268, 0270, 0271, 0291, 0292, 945010, 945011, 945015, 945025, 945027, 945030, 945034, 945047, 945110, 945143, 945152, 945161, 945209, 945230, 945240, 945264, 945266, 945267, 945268, 945269, 945270, 945271, 945320, 945334, 945346; also used on Model 81900 Series type Nos. 0111, 0115, 0128, 0145, 945511, 945530, 945547, 945548, 945550, 945579, 945583, 945605, 945683, 945695, 945712, 945713, 945714, 945715, 945716, 945717, 945718, 945719, 945742, 945755, 945756, 945781, 945783, 945797, 945801, 945806, 945824.
46	210453	Gear — Cam (Used only on Model 80901, 80902, 80906, 81901, 81902, 81906 Series.)			Used before Serial No. 6405250.			296278 Carburetor Assy. (Manual Choke)
Note:	210804	Gear — Cam (3/4" dia. Shaft P. T. O. End) Used on Model 80991, 80992, 80996, 81991, 81992, 81996 Series --- For 1/2" dia. Shaft P. T. O. end Cam Gear for Model 80991, 80992, 80996, 81991, 81992, 81996 Series -- order No. 211337.	68	63770	Ball — Clutch			Used on Model 80900 Series type Nos. 0137, 0141, 0142, 0177, 0186, 0187, 0188, 0217, 0258, 0264, 945091, 945102, 945103, 945118, 945120, 945186,
47	294652	Oil Slinger Gear and Bracket	70	298436	Ratchet — Rewind and Wind-up Starter			
		Used on Model 80901, 80902, 80906, 81901, 81902, 81906 Series.			Used after Serial No. 6405220.			
Note:	294718	Oil Slinger Gear and Bracket	Note:	296597	Ratchet — Rewind and Wind-up Starter			
		Used on Model 80991, 80992, 80996, 81991, 81992, 81996 Series, with 3/4" dia. auxiliary P. T. O. Shaft --- For these Model Series with 1/2" dia. auxiliary P. T. O. Shaft order No. 294652.			Used before Serial No. 6405250.			
52	*27909	Gasket — Intake Elbow Mounting	71	221653	Washer — Clutch Retainer			
56	294088	Pulley — Rewind Starter			Used after Serial No. 6405220.			
57	294303	Spring — Rewind Starter	Note:	221301	Washer — Clutch Retainer			
58	66384	Rope — Rewind Starter — 47-1/8" Long			(Used with square shank ratchet)			
Note:		If longer rope is needed, order No. 66514 and cut to required length.			Used before Serial No. 6405250.			
59	230228	Pin — Starter Rope	72	26032	Spring — Clutch Retainer			
60	66728	Grip — Starter Rope			Used before Serial No. 6405250.			
			73	221661	Screen — Rotating			
					Used after Serial No. 6405220.			
			Note:	220648	Screen — Rotating			
					Used before Serial No. 6405250.			
					221287 Screen — Rotating			

* Included in Gasket Set — Part No. 297275.

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
		945187, 945246, 945354; also used on Model 81900 Series type Nos. 0128, 0140, 945525, 945526, 945527, 945528, 945537, 945544, 945584, 945586, 945587, 945598, 945599, 945600, 945601, 945608, 945614, 945619, 945641, 945643, 945651, 945652, 945653, 945655, 945699, 945700, 945701, 945728, 945737, 945738, 945749, 945752, 945753, 945763, 945777, 945791, 945794, 945795, 945796, 945812, 945813, 945818. 296314 Carburetor Assy. (Choke-A-Matic) Used on Model 80900 Series type Nos. 0015, 0016, 0017, 0018, 0022, 0030, 0031, 0033, 0040, 0135, 0136, 0178, 0202, 0223, 0243, 0246, 0247, 945069, 945070, 945071, 945083, 945097, 945098, 945099, 945162, 945167, 945180, 945181, 945182, 945192, 945198, 945199, 945200, 945205, 945210, 945215, 945216, 945226, 945238, 945250, 945260, 945295, 945347; also used on Model 81900 Series type Nos. 945538, 945542, 945568, 945577, 945582, 945588, 945589, 945590, 945592, 945595, 945604, 945609, 945610, 945615, 945617, 945656, 945657, 945658, 945668, 945691, 945729, 945730, 945736, 945746, 945747, 945759, 945761, 945769, 945770, 945771, 945774, 945788, 945793. 296510 Carburetor Assy. (Manual Choke) Used on type No. 945649. 297353 Carburetor Assy. (Manual Choke) Used on Model 80900			Series type Nos. 0019, 0020, 0021, 945100, 945101; also used on Model 81900 Series type Nos. 945772, 945773. 297919 Carburetor Assy. (Manual Choke) Used on type Nos. 945163, 945244. 95 93385 Screw — Throttle Valve Mounting Sem 96 210957 Throttle — Carburetor 96A 211237 Valve — Throttle 97 297961 Shaft and Lever — Throttle 98 93392 Screw — Machine, Rd. Hd. — 5-40 x 1/2" 114 66594 Gasket — Needle Valve Nut 116 65978 Packing — Needle Valve 117 230590 Nut — Needle Valve 118 23433 Valve — Needle 123 93353 Screw — Carburetor Mtg. 124 93360 Screw — Carburetor Mtg. 147 230591 Seat — Needle Valve 148 22235 Washer — Needle Valve (2) 149 26336 Spring — Needle Valve 150 220105 Connector — Governor Link 152 260746 Spring — Throttle Adjustment 153 298031 Screw — Carburetor Lever 154 93349 Screw — Machine, Rd. Hd. — 5-40 x 5/8" Note: 93350 Screw — Machine, Rd. Hd. — 5-40 x 3/4" Used on Model 80900 Series type Nos. 0019, 0020, 0021, 0162, 0163, 0236, 0270, 0292, 945152, 945161, 945240, 945266, 945267, 945268, 945269, 945270, 945334; also used on Model 81900 Series type Nos. 945527, 945528, 945649, 945695, 945742, 945756. 160 294870 Cleaner Assembly — Air (with mounting stud) 161 293991 Bowl — Air Cleaner 162 294861 Cover and Filter — Air Cleaner (with mounting stud)			163 *27660 Gasket — Air Cleaner Mounting 171 92129 Nut — Hex. — 1/4-28 172 27795 Gasket — Air Cleaner 180 296167 Tank Assembly — Fuel Note: 296312 Tank Assembly — Fuel Used on Model 80900 Series type Nos. 0015, 0016, 0017, 0018, 0019, 0020, 0021, 0022, 0030, 0031, 0033, 0040, 0135, 0136, 0178, 0202, 0223, 945069, 945070, 945071, 945083, 945097, 945098, 945099, 945100, 945101, 945162, 945167, 945180, 945181, 945182, 945192, 945198, 945199, 945200, 945210, 945215, 945216, 945226, 945238, 945250, 945260, 945295, 945296, 945347; also used on Model 81900 Series type Nos. 945538, 945542, 945568, 945577, 945582, 945588, 945589, 945590, 945592, 945595, 945604, 945609, 945610, 945615, 945617, 945656, 945657, 945658, 945668, 945691, 945729, 945730, 945736, 945746, 945747, 945759, 945761, 945769, 945770, 945771, 945772, 945773, 945774, 945788, 945793. 181 298425 Cap — Fuel Tank Note: 297863 Cap — Fuel Tank Used on Model 80900 Series type No. 0184. 190 93259 Screw — Fuel Tank Mtg. 191 *27911 Gasket — Fuel Tank Mtg. 200 294617 Blade — Governor (Used before Serial No. 6212310) 200A 297309 Blade — Governor (Used on and after Serial No. 6212310) 201 260457 Link — Governor and Throttle 209 260471 Spring — Governor (Choke-A-Matic) Note: 260468 Spring — Governor (Manual Choke)

* Included in Gasket Set — Part No. 297275.

80900 to 80997 81900 to 81997

REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
	Used on Model 80900 Series type Nos. 0019, 0020, 0021, 0110, 0137, 0141, 0142, 0162,*0163, 0165, 0176, 0177, 0186, 0187, 0188, 0217, 0236, 0255, 0258, 0264, 0268, 0270, 0271, 0291, 0292, 945010, 945011, 945015, 945025, 945027, 945030, 945034, 945091, 945100, 945101, 945102, 945103, 945209, 945230, 945240, 945246, 945264, 945266, 945267, 945268, 945269, 945270, 945271, 945320, 945334, 945346, 945354; also used on Model 81900 Series type Nos. 0111, 0115, 0128, 0140, 0145, 945511, 945525, 945526, 945527, 945528, 945530, 945537, 945544, 945547, 945548, 945550, 945579, 945583, 945584, 945586, 945587, 945598, 945599, 945600, 945601, 945605, 945608, 945614, 945619, 945641, 945643, 945649, 945651, 945652, 945653, 945655, 945683, 945695, 945699, 945700, 945701, 945712, 945713, 945714, 945715, 945716, 945717, 945718, 945719, 945728, 945737, 945738, 945742, 945749, 945752, 945753, 945756, 945763, 945772, 945773, 945777, 945781, 945783, 945818, 945824. 260471 Spring – Governor (Manual Choke) Used on type No. 945110. 260591 Spring – Governor (Choke-A-Matic) (for 3400 to 3600 rpm top speed set – no load) Used on Model 80900 Series type Nos. 0015, 0016, 0017, 0018, 0022, 0030, 0031, 0032, 0033, 0040, 0134, 0135, 0136, 0138, 0139, 0140, 0143,	0144, 0145, 0146, 0149, 0150, 0151, 0152, 0153, 0155, 0156, 0157, 0158, 0159, 0160, 0161, 0166, 0173, 0174, 0175, 0178, 0179, 0182, 0185, 0189, 0192, 0193, 0194, 0195, 0196, 0198, 0202, 0203, 0204, 0205, 0206, 0207, 0208, 0215, 0219, 0220, 0222, 0223, 0227, 0229, 0230, 0231, 0233, 0235, 0237, 0238, 0240, 0241, 0249, 0250, 0253, 0256, 0262, 0266, 0269, 0273, 0274, 0276, 0278, 0280, 0281, 0282, 0283, 0284, 0290, 945035, 945036, 945037, 945045, 945048, 945054, 945055, 945056, 945076, 945077, 945082, 945093, 945108, 945115, 945116, 945117, 945119, 945124, 945125, 945126, 945129, 945130, 945132, 945133, 945134, 945137, 945144, 945145, 945146, 945147, 945150, 945151, 945159, 945163, 945164, 945167, 945168, 945174, 945183, 945184, 945185, 945190, 945191, 945193, 945194, 945201, 945202, 945203, 945204, 945205, 945206, 945207, 945215, 945216, 945217, 945219, 945221, 945229, 945232, 945233, 945238, 945239, 945242, 945244, 945249, 945250, 945252, 945253, 945256, 945257, 945260, 945273, 945274, 945275, 945281, 945282, 945287, 945288, 945289, 945291, 945295, 945296, 945297, 945298, 945299, 945300, 945302, 945304, 945307, 945311, 945312, 945313, 945315, 945325, 945333, 945339, 945341, 945347, 945349, 945355, 945358, 945360; also used on Model 81900 Series type Nos.	0133, 0134, 0141, 0144, 0146, 0147, 0151, 945529, 945567, 945578, 945642, 945646, 945661, 945666, 945668, 945669, 945672, 945675, 945676, 945677, 945678, 945679, 945696, 945697, 945698, 945722, 945725, 945726, 945731, 945760, 945787, 945788, 945789, 945790, 945792, 945793, 945799, 945803, 945805, 945815, 945820, 945821, 945826, 945827, 945829. 260596 Spring – Governor (Choke-A-Matic) (for 4000 to 4200 rpm top speed set – no load) Used on Model 80900 Series type Nos. 0133, 0234, 0243, 0246, 0247, 945255, 945318, 945319; also used on Model 81900 Series type Nos. 945567, 945666, 945705, 945706, 945707, 945723, 945741. 260598 Spring – Governor (Choke-A-Matic) (for 3200 to 3400 rpm top speed set – no load) Used on Model 80900 Series type Nos. 0147, 0167, 0168, 0170, 0171, 0180, 0181, 0184, 0197, 0201, 0210, 0211, 0232, 0239, 0242, 0248, 0251, 0252, 0267, 0272, 0275, 0279, 945046, 945078, 945127, 945128, 945138, 945139, 945156, 945157, 945158, 945175, 945176, 945188, 945196, 945197, 945211, 945212, 945213, 945243, 945251, 945258, 945280, 945301, 945305, 945317, 945321, 945322, 945323, 945328, 945337, 945342, 945343, 945344, 945345; also used on Model 81900 Series type Nos. 0139, 0142, 0143, 945670, 945685, 945686,		

* Included in Gasket Set – Part No.
297275.

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297275.

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
215	293424	945687, 945688, 945691, 945733, 945739, 945780, 945786, 945811. Control — Governor Note: 220107 Cam — Speed Adjuster 220949 Lever — Speed Adjuster Used on Model 80900 Series type Nos. 945091, 945102, 945103, 945118, 945120, 945186, 945187; also used on Model 81900 Series type Nos. 945525, 945526, 945527, 945528, 945537, 945544, 945584, 945586, 945587, 945598, 945599, 945600, 945601, 945608, 945614, 945619, 945641, 945643, 945651, 945652, 945653, 945655, 945695, 945699, 945700, 945701, 945728, 945737, 945738, 945749, 945752, 945753, 945763, 945777, 945791, 945794, 945795, 945796, 945812, 945813. 220678 Lever — Speed Adjuster 220107 Cam — Speed Adjuster 298031 Screw — Carburetor Lever 92696 Screw — Machine, Rd. Hd. — 5-40 x 3/4" 260575 Spring — Throttle Adjustment 22398 Washer — Speed Adjuster Used on type No. 945649.	269	26099	No. 66986 and cut to required length. Wire — Control, 54" Long Note: If longer wire is needed, specify length in inches; if shorter casing is needed order No. 26099 and cut to required length. 270 63426 Locknut — Control Wire Casing 271 290568 Lever Assembly — Control 272 290584 Base — Control Lever 273 290642 Lever — Control 274 91237 Washer — Lock — 1/4 x 3/32 x 5/64" 275 92287 Screw — Machine, Rd. Hd. — 10-32 x 1/2" 276 22834 Washer — Spacer 277 22368 Washer — Control Lever 278 22725 Washer — Control Lever 279 92306 Screw — Cap, Hex. Hd. — 1/4-28 x 5/8" 297 91811 Locknut — Exhaust Elbow 298 220859 Locknut — Muffler 299 294441 Muffler — Exhaust (Lo-Tone) 300 89966 Muffler — Exhaust Note: 292054 Muffler — Exhaust Used on Model 80900 Series type Nos. 0144; also used on Model 81900 Series type Nos. 945705, 945706, 945707, 945723, 945741. 295905 Muffler — Exhaust Used on Model 80900 Series type Nos. 0143, 0203, 0216, 0218, 0262; also Used on Model 81900 Series type Nos. 945536, 945568, 945577, 945582, 945586, 945587, 945720, 945800, 945825. 296653 Muffler — Exhaust Uses: 296045 Clamp — Muffler 230672 Nipple — Muffler Used on Model 80900	303	91810	Series type Nos. 0167, 0173, 945078, 945213. 297975 Muffler — Exhaust Uses: 296045 Clamp — Muffler 230672 Nipple — Muffler Used on type No. 945273. Elbow — Exhaust, 45°, Street Note: 91943 Elbow — Exhaust, 90°, Street Used on Model 80900 Series type Nos. 0147, 0184, 0196, 0201, 0251, 0257, 945163, 945175, 945176, 945244, 945251, 945258, 945287, 945288; also used on Model 81900 Series type Nos. 945720, 945781, 945800. 304 294260 Housing — Blower (For Rewind Starter) Note: 294263 Housing — Blower (For Rope Starter) Used on Model 80901 , 81901 Series. 294282 Housing — Blower (For Rewind Starter) Used on Model 80900 Series type Nos. 0148, 0257, 0264, 945043, 945091, 945186, 945255, 945357; also used on Model 81900 Series type Nos. 945563, 945571, 945589, 945597, 945611, 945737, 945767. 294338 Housing — Blower (For Rewind Starter) Used on Model 80900 Series type Nos. 0016, 0017, 0018, 0022, 0143, 0146, 0150, 0161, 0163, 0185, 0186, 0187, 0200, 0203, 0206, 0208, 0217, 0219, 0249, 0250, 0261, 0262, 0268, 0277, 0285, 0286, 945033, 945041, 945049, 945050, 945051, 945056, 945062, 945064, 945073, 945079, 945097, 945099, 945104, 945106,
216	260449	Link — Choke						
217	260189	Spring — Choke Link						
218	221198	Washer — Choke Link (3)						
256	220952	Lever — Speed Adjuster						
257	93263	Screw — Sem						
265	221407	Clamp — Casing						
267	93351	Screw						
268	66986	Casing — Control Wire — 48" Long Note: If longer casing is needed, specify length in inches; if a shorter casing is needed order						

* Included in Gasket Set — Part No.
297275.

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REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
	945117, 945118, 945120, 945125, 945138, 945141, 945144, 945147, 945152, 945157, 945164, 945174, 945183, 945194, 945195, 945220, 945222, 945223, 945266, 945275, 945325, 945350, 945358; also used on Model 81900 Series type Nos. 0140, 945562, 945566, 945568, 945577, 945582, 945606, 945607, 945636, 945637, 945642, 945651, 945674, 945695, 945742, 945744, 945745, 945754, 945769, 945771, 945786, 945803, 945807. 295038 Housing – Blower (For Rewind Starter) Used on Model 80900 Series type Nos. 0160, 0166, 0168, 0224, 0258, 945075, 945095, 945113, 945301, 945305; also used on Model 81900 Series type Nos. 0136, 0138, 945783, 945798, 945804, 945822. 295816 Housing – Blower (For Rewind Starter) Used on Model 80900 Series type Nos. 0133, 0138, 0155, 0156, 0172, 0205, 0220, 0223, 0227, 0232, 0252, 0256, 945129, 945159, 945160, 945184, 945189, 945197, 945215, 945218, 945227, 945233, 945235, 945273, 945284, 945285, 945296, 945307, 945315, 945339, 945341, 945348, 945351, 945360; also used on Model 81900 Series type Nos. 945553, 945556, 945557, 945580, 945625, 945630, 945644, 945709, 945710, 945748, 945778, 945787, 945788, 945789, 945815. 296127 Housing – Blower (For Rewind Starter) Used on type No. 945654.	296284 Housing – Blower (For Rewind Starter) Used on type No. 945067. 296301 Housing – Blower (For Rewind Starter) Used on type Nos. 945525, 945526. 296325 Housing – Blower (For Wind-up Starter) Used on Model 80906 , 80996 , 81906 , 81996 Series. 296424 Housing – Blower (For Rewind Starter) Used on type Nos. 945615, 945616. Note: Starter housing and parts for these type Nos. are supplied by the equipment manufacturer. 296894 Housing – Blower (For Rewind Starter) Used on Model 80900 Series type Nos. 0149, 0151, 0173, 0244, 0253, 0254, 0259, 945202, 945207, 945252, 945257, 945280, 945300, 945321, 945323, 945324, 945328, 945356; also used on Model 81900 Series type Nos. 0139, 945696, 945781. 305 93158 Screw – Blower Housing Mounting Sem 306 220478 Shield – Cylinder 307 93042 Screw – Cylinder Shield Mounting Sem 308 220581 Cover – Cylinder Head 325 293959 Starter Pulley with Screen 330 29878 Rope – Starter 331 62577 Washer – Flywheel 332 91708 Nut – Flywheel 333 291617 Armature – Magneto (Used before Serial No. 6212310) 333A 298502 Armature – Magneto (Used on and after Serial No. 6212310) 334 93381 Screw – Armature Mounting Sem 335 93381 Screw – Armature Mounting Sem	336 292149 Cable – Ignition Used on engines before Serial No. 6212310. Cables used on and after this Serial Number are integral with the ignition coil. 337 29693 Plug – Spark (with gasket) Note: 293918 Plug – Spark Used on Model 80900 Series type Nos. 0191, 0209, 945290, 945309. 298323 Plug – Spark Used on Model 80900 Series type Nos. 0168, 945305. 338 29806 Gasket – Spark Plug 340 26018 Spring – Breaker Arm 341 93381 Screw – Contact Finger Post Mounting Sem 342 65704 Plunger – Breaker Point 344 93042 Screw – Condenser Clamp Mounting Sem 345 220366 Cover – Breaker Point and Condenser 346 93014 Screw – Dust Cover Mounting Sem 347 220884 Switch – Stop Note: 293739 Switch – Stop Used on Model 80900 Series type No. 0184. 348 296110 Plate Assembly – Stop Switch Insulator 356 296185 Wire – Ground 358 297275 Gasket Set 363 19069 Puller – Flywheel (Optional Accessory) 372 220477 Clamp – Condenser 373 92987 Nut – Condenser Terminal 374 92813 Washer – Lock – Shakeproof 375 294628 Breaker Points and Condenser Set Note: 299061 Ignition Kit Includes: 294628 Point Set 65704 Plunger 61760 Key – Flywheel 376 93167 Screw – Ground Wire 377 93065 Key – Woodruff No. 505 392 260455 Spring – Fuel Pump Diaphragm		

* Included in Gasket Set – Part No.
297275.

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80900 to 80997 81900 to 81997

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
394	27910	Diaphragm	465	221226	Washer — Holder Assembly Mounting	542	91494	Screw — Speed Adjuster to Carburetor
432	221377	Cap — Spring	466	93272	Retainer — Holder Control Knob	Note:	92634	Screw — Sem
433	93265	Pin — Diaphragm Cover	467	211017	Knob — Control		260575	Spring
434	210959	Cover — Diaphragm	508	93294	Screw — Blower Housing Mounting Sem		Used on Model 81900	
435	93141	Screw — Diaphragm Cover	515	260537	Spring — Single Acting Ratchet Pawl		Series type Nos.	
454	296178	Housing — Fuel Pipe Screen (For 3/16" O.D. Pipe)	516	260374	Spring — Connector		945527, 945528, 945712,	
	296191	Housing — Fuel Pipe Screen (For 1/8" O.D. Pipe)	534	93322	Screw — Air Cleaner		945713, 945714, 945715,	
455	296455	Cup, Hub and Spring Assembly	535	27987	Element — Air Cleaner		945716, 945717, 945718,	
	Note:	296327 Cup and Spring Assembly Used on earlier model engines.	536	296766	Cleaner Assembly — Air		945719, 945738.	
			538	260560	Rod — Speed Control		91359 Screw — Machine, Fil. Hd. — 10-32 x 3/4"	
				Note:	260683 Rod — Speed Control (Square)		26157 Spring	
456	221222	Plate — Retainer			260684 Link — Control Rod		66432 Washer	
457	296264	Hub and Spring Assembly Used on earlier model engines.			Used on Model 80900		Used on Model 80900	
458	298431	Handle Assembly — Cranking			Series type Nos. 0017, 0019, 0020, 0021, 0134, 0147, 0184, 0248, 0251, 0266, 945163, 945175, 945201, 945243, 945244, 945251, 945258, 945301, 945346, 945359; also used on		Model 81900 Series type	
459	221332	Pawl — Ratchet (Single Acting)			Nos. 0145, 945811.		Nos. 0145, 945811.	
	Note:	221220 Pawl — Ratchet (Double Acting) Used on earlier model engines.	539	221372	Clip — Speed Control Rod	611	297219	Pipe — Fuel (Long) Plastic
460	93272	Retainer — Ratchet Pawl	540	221380	Lever — Speed Adjuster	612	296811	Pipe — Fuel (Short) Plastic
461	93298	Screw — Handle Mounting		Note:	220678 Lever — Speed Adjuster	634	270167	Washer — Throttle Shaft (Felt)
462	221237	Washer — Handle Mtg.			Used on type Nos. 945163, 945244.	635	66538	Elbow — Spark Plug
463	296445	Holder Assembly — Flywheel	541	22398	Washer — Speed Adjuster Lever To Carburetor	662	221612	Bracket — Carburetor
464	93291	Rivet — Holder Assy. Mounting				663	93395	Screw — Bracket Mtg.
						664	93415	Screw — Bracket Mtg.
						665	296768	Oil Minder
						666	297073	Gauge — Fuel Level
						681	299060	Needle Valve Kit

* Included in Gasket Set — Part No. 297275.